

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))Attorney Dock et No. 2489.P002DC  
(maximum 12 characters)First Named Inventor Varadarajan SrinivasanTitle: SYNCHRONOUS CONTENT ADDRESSABLE MEMORYExpress Mail Label No. EV409362440USADDRESS TO: Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original and a duplicate for fee processing)
2. ☐ **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. ☒ **Specification (Total Pages 32)**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table,  
or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ **Drawings(s) (35 USC 113) (Total Sheets 10)**
5. ☒ **Oath or Declaration (Total Pages 4)**
  - a. ☐ Newly Executed (Original or Copy)
  - b. ☒ Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
    - i. ☐ **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
  - c. ☐ Unsigned.
6. ☐ **Application Data Sheet. (37 CFR 1.76)**
7. ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**
8. ☐ **Nucleotide and/or Amino Acid Sequence Submission**  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS	
9.	_____ <b>Assignment Papers (cover sheet &amp; documents(s))</b>
10.	_____ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
	_____ <u>X</u> b. Power of Attorney
11.	_____ English Translation Document (if applicable)
12.	_____ <u>X</u> a. Information Disclosure Statement (IDS)/PTO-1449
	_____ b. Copies of IDS Citations
13.	_____ <b>Preliminary Amendment</b>
14.	_____ <u>X</u> <b>Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</b>
15.	_____ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.	_____ <b>Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). <u>Applicant must attach form PTO/SB/35 or its equivalent.</u></b>
17A.	_____ <u>X</u> Other: _____ Certificate of Express Mail with copy of postcard showing contents of _____ Express Mail package.
17B.	_____ <u>X</u> Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.
<b>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below <u>and</u> in a preliminary amendment, or in an Application Data Sheet Under 37 C.F.R. 1.76:</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><u>X</u> Continuation</span> <span>_____ Divisional</span> <span>_____ Continuation-in-part (CIP)</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Of Prior Application No.: <u>09/778,170</u></span> <span>Examiner <u>Peikari, Behzad</u></span> <span>Group Art Unit <u>2186</u></span> </div> <div style="margin-top: 5px;">             (which is a _____ continuation/ <u>X</u> _____ divisional/ _____ CIP of U.S. Patent no. <u>6,199,140</u>, filed <u>10/30/97</u>.           )         </div>	
<b>Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.</b> <b>For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</b>	
19.	<b>Correspondence Address</b> <b>Customer Number or Bar Code Label</b> _____ <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <span>or</span> <span>(Insert Customer No. or Attach Bar Code Label</span> </div>
here)	_____
_____ <u>X</u>	Correspondence Address Below
NAME	<u>Daniel E. Ovanezian</u>
	<u>BLAKELY, SOKOLOFF, TAYLOR &amp; ZAFMAN LLP</u>
ADDRESS	<u>12400 Wilshire Boulevard</u>
	<u>Seventh Floor</u>
CITY	<u>Los Angeles</u>
STATE	<u>California</u>
ZIP CODE	<u>90025-1026</u>
Country	<u>U.S.A.</u>
TELEPHONE	<u>(408) 720-8300</u>
FAX	<u>(408) 720-8383</u>
<b>Name (PRINT/TYRE):</b> <u>Daniel E. Ovanezian</u> <b>Registration No.:</b> <u>41,236</u>	
<b>Signature:</b> _____ <b>Date:</b> <u>12/22/03</u>	

EV40936240US

"Express Mail" mailing label number: 12/22/03

Date of Deposit: 12/22/03

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

JANITA BRISCOE

(Typed or printed name of person mailing paper or fee)

[Signature]

(Signature of person mailing paper or fee)

12/22/03

(Date signed)

12/22/03

Serial/Patent No.: Not yet assigned

Client: NETLOGIC MICROSYSTEMS, INC.

Title: SYNCHRONOUS CONTENT ADDRESSABLE MEMORY

BSTZ File No.: 2489.P002DC

Date Mailed: 12/22/03

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

☐ Amendment/Response (\_\_\_\_ pgs.)  
☐ Appeal Brief (\_\_\_\_ pgs.) (in triplicate)  
☐ Application - Utility (\_\_\_\_ pgs., with cover and abstract)  
☒ Application - Rule 1.53(b) Continuation (32 pgs.)  
☐ Application - Rule 1.53(b) Divisional (\_\_\_\_ pgs.)  
☐ Application - Rule 1.53(b) CIP (\_\_\_\_ pgs.)  
☐ Application - Rule 1.53(d) CPA Transmittal (\_\_\_\_ pgs.)  
☐ Application - Design (\_\_\_\_ pgs.)  
☐ Application - PCT (\_\_\_\_ pgs.)  
☐ Application - Provisional (\_\_\_\_ pgs.)  
☐ Assignment and Cover Sheet  
☐ Certificate of Mailing  
☒ Declaration & POA (4 pgs.)  
☐ Disclosure Docs & Orig & Copy of Inventor's Signed Letter (\_\_\_\_ pgs.)  
☒ Drawings: 10 # of sheets includes 11 figures

☐ Express Mail EV40936240US ☒ Check No. 61869  
☐ Month(s) Extension of Time 13 ☐ Check No. 770  
☐ Information Disclosure Statement & PTO-1449 (\_\_\_\_ pgs.) ☐ Check No. 770  
☐ Issue Fee Transmittal  
☐ Notice of Appeal  
☐ Petition for Extension of Time  
☐ Petition for           
☒ Postcard  
☐ Power of Attorney (\_\_\_\_ pgs.)  
☐ Preliminary Amendment (\_\_\_\_ pgs.)  
☐ Reply Brief (\_\_\_\_ pgs.)  
☐ Response to Notice of Missing Parts  
☐ Small Entity Declaration for Indep. Inventor/Small Business  
☒ Transmittal Letter, in duplicate  
☐ Fee Transmittal, in duplicate

Atty/Secy Initials: DEO/jb  
Docket Due Date:         

Other:         

Cross Reference to Related Applications

**FEE TRANSMITTAL FOR FY 2004**

(FY 2004 Begins 10/01/2003)

TOTAL AMOUNT OF PAYMENT (\$) 770.00**Complete if Known:**Application No. Not yet assignedFiling Date HerewithFirst Named Inventor Varadaraian SrinivasanExaminer Name Not yet assignedArt Unit Not yet assignedAttorney Docket No. 2489.P002DC☐ Applicant claims small entity status. See 37 CFR 1.27.**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit AccountDeposit Account Number : 02-2666

Deposit Account Name: \_\_\_\_\_

☒ The Director is Authorized to do the following with respect to the above-identified Deposit Account:☐ Charge fee(s) indicated below.☒ Credit any overpayments.☒ Charge any additional fees during the pendency of this application.☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.☐ Charge fee(s) indicated below except for the filing fee.**FEE CALCULATION****1. BASIC FILING FEE**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility application filing fee	<u>770.00</u>
1002	340	2002	170	Design application filing fee	_____
1003	530	2003	265	Plant filing fee	_____
1004	770	2004	385	Reissue filing fee	_____
1005	160	2005	80	Provisional application filing fee	_____

SUBTOTAL (1) \$ 770.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

			<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims	<u>1</u>	- 20** =	<u>0</u>	X _____	= _____
Independent Claims	<u>1</u>	- 3** =	<u>0</u>	X _____	= _____
Multiple Dependent				_____	= _____

\*\*Or number previously paid, if greater; For Reissues, see below.

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**R issue claims in exc ss of 20 and over original patent

SUBTOTAL (2) \$ \_\_\_\_\_

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

<u>Larg Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee</u>		
<u>Code</u>	<u>(\$)</u>	<u>Code</u>	<u>(\$)</u>		
1051	130	2051	65	Surcharge - late filing fee or oath	_____
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	_____
1053	130	1053	130	Non-English specification	_____
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	_____
1813	8,800	1813	8,800	Request for inter parties reexamination	_____
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	_____
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	_____
1251	110	2251	55	Extension for reply within first month	_____
1252	420	2252	210	Extension for reply within second month	_____
1253	950	2253	475	Extension for reply within third month	_____
1254	1,480	2254	740	Extension for reply within fourth month	_____
1255	2,010	2255	1,005	Extension for reply within fifth month	_____
1401	330	2401	165	Notice of Appeal	_____
1402	330	2402	165	Filing a brief in support of an appeal	_____
1403	290	2403	145	Request for oral hearing	_____
1451	1,510	1451	1,510	Petition to institute a public use proceeding	_____
1452	110	2452	55	Petition to revive - unavoidable	_____
1453	1,330	2453	665	Petition to revive - unintentional	_____
1501	1,330	2501	665	Utility issue fee (or reissue)	_____
1502	480	2502	240	Design issue fee	_____
1503	640	2503	320	Plant issue fee	_____
1460	130	1460	130	Petitions to the Commissioner	_____
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	_____
1806	180	1806	180	Submission of Information Disclosure Stmt	_____
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	_____
1809	770	2809	385	For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
1814	110	2814	55	Statutory Disclaimer	_____
1810	770	2810	385	For each additional invention to be examined (see 37 CFR 1.129(b))	_____
1801	770	2801	385	Request for Continued Examination (RCE)	_____
1802	900	1802	900	Request for expedited examination of a design application	_____
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	_____
1505	300	1505	300	Publication fee for republication	_____
1803	130	1803	130	Request for voluntary publication or republication	_____
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	_____
1454	1,330	1454	1,330	Acceptance of unintentionally delayed claim for priority	_____

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$** \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**Typed or Printed Name: Daniel E. OvanezianSignature:  Date: 12/22/03Reg. Number: 41,236 Telephone Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**Srinivasan, et al.**

Application No.: Not Yet Assigned

Filed: Herewith

For: SYNCHRONOUS CONTENT  
ADDRESSABLE MEMORY

Examiner: Not Yet Assigned

Art Group: Not Yet Assigned

Which is a continuation application of:

Application No.: 09/778,170

Filed: February 6, 2001

For: SYNCHRONOUS CONTENT  
ADDRESSABLE MEMORY (As  
Amended)

Prior Examiner: Peikari, Behzad

Art Group: 2186

Commissioner of Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450**CROSS REFERENCE TO POTENTIALLY RELATED APPLICATIONS**

Applicants note that the above-identified patent application may be related to the following co-pending application and U.S. patents:

(1) Application No. 10/318,251 filed on December 11, 2002 and entitled "Timing Execution of Compare Instructions in a Synchronous Content Addressable Memory";

(2) U.S. Patent No. 6,148,364, filed on December 30, 1997 and entitled "Method and Apparatus for Cascading Content Addressable Memory Devices";

(3) U.S. Patent No. 6,381,673 filed on July 6, 1998 and entitled "Method and Apparatus for Performing a Read Next Highest Priority Match Instruction in a Content Addressable Memory Device";

(4) U.S. Patent No. 6,240,485 filed on May 11, 1998 and entitled "Method and Apparatus for Implementing a Learn Instruction in a Depth Cascaded Content Addressable Memory Device"; and

(5) U.S. Patent No. 6,219,748 filed on May 11, 1998 and entitled "Method and Apparatus for Implementing a Learn Instruction in Content Addressable Memory Device".

If there are any charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

Dated: 12/22, 2003



Daniel E. Ovanezian  
Reg. No. 41,236

12400 Wilshire Blvd.  
Seventh Floor  
Los Angeles, CA 90025-1026  
(408) 720-8300

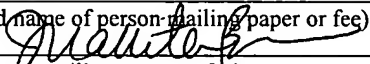
"Express Mail" mailing label number: EV409362440US

Date of Deposit: 12/22/03

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

JUANITA BRISCOE

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

12/22/03

(Date signed)